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2013 Lexus GX 460 Service and Repair Manual

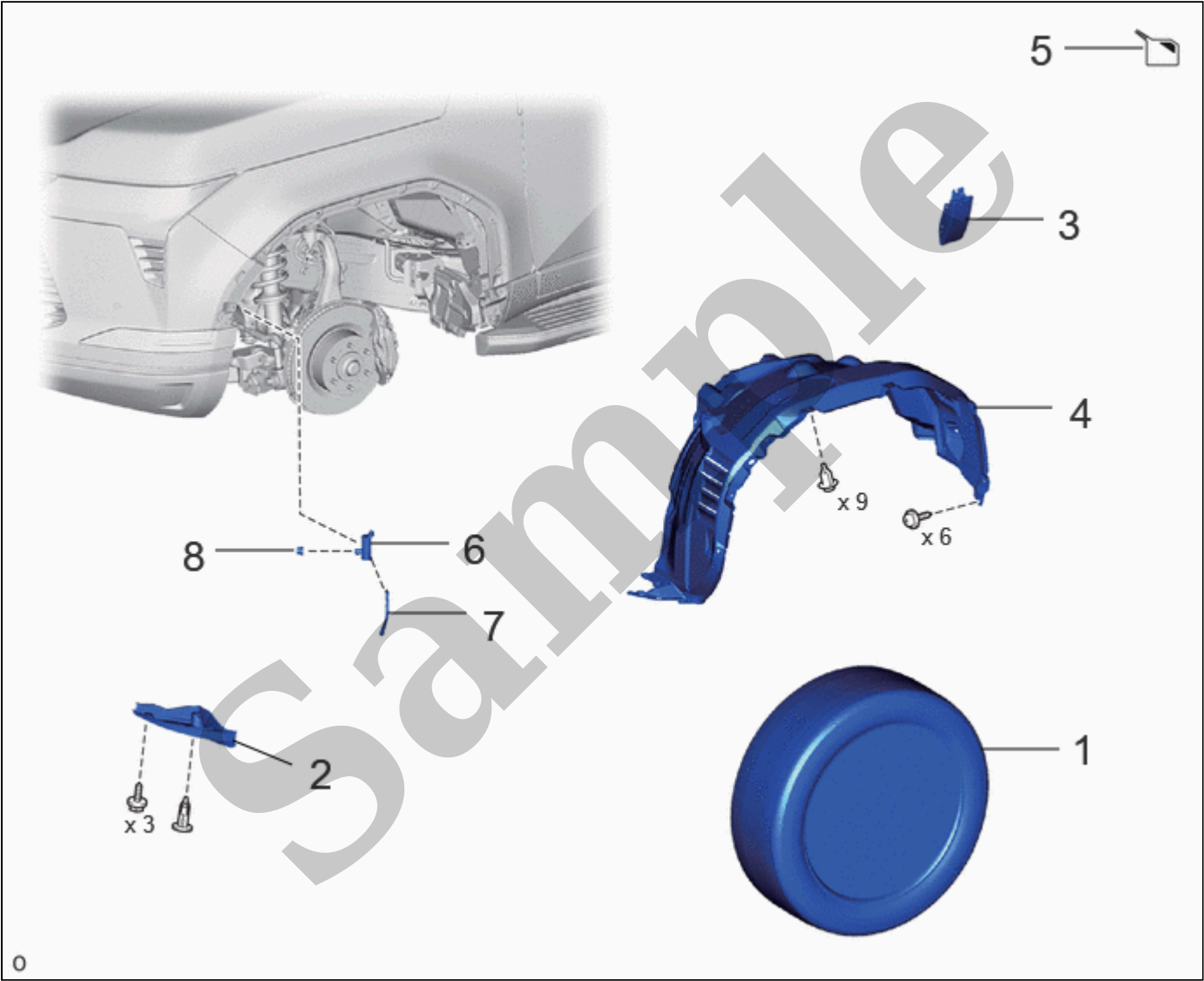
[Go to manual page](#)




Last Modified: 10-07-2024	6.11:8.1.0	Doc ID: RM100000002HJ0I
Model Year Start: 2024	Model: GX550	Prod Date Range: [12/2023 -]
Title: WIPER / WASHER: HEADLIGHT CLEANER MOTOR: REMOVAL; 2024 MY GX550 [12/2023 -]		




REMOVAL

CAUTION / NOTICE / HINT

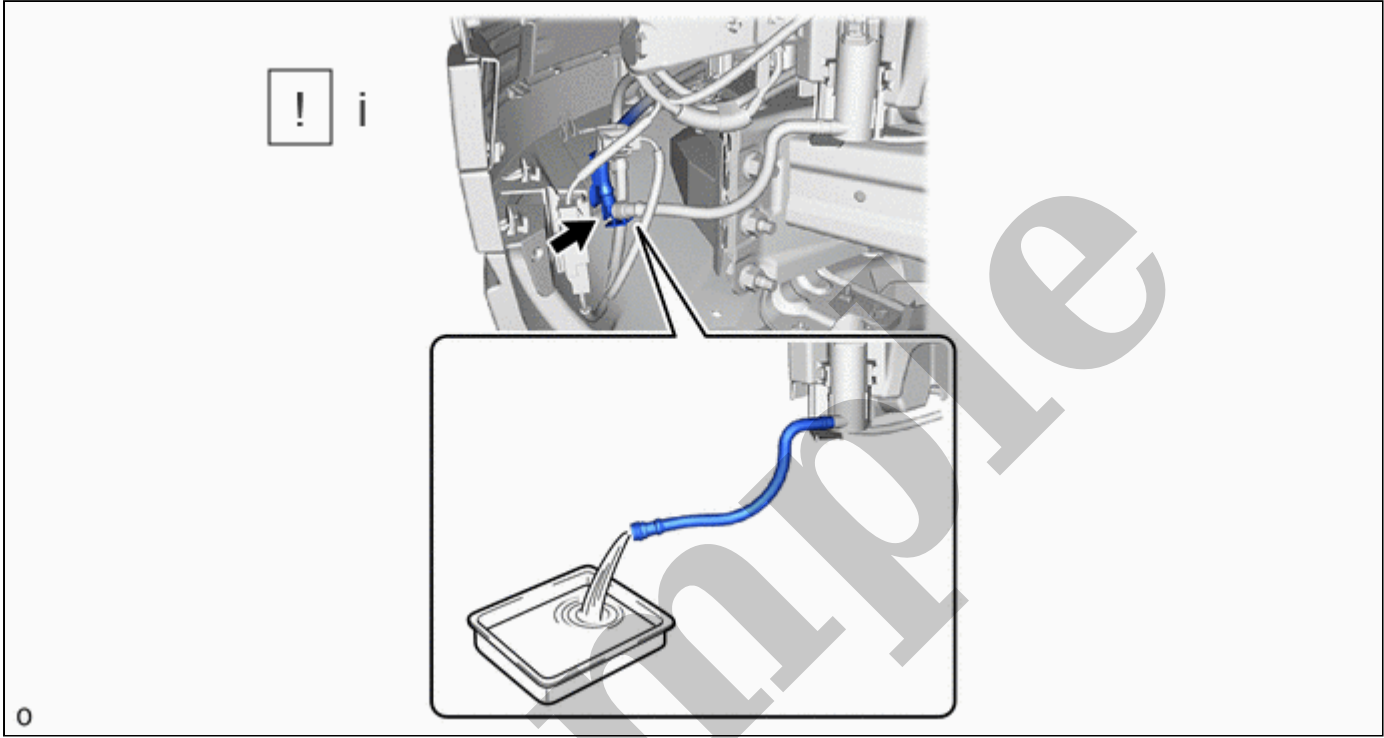
COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	FRONT WHEEL LH	-	-	-	-
2	FRONT SPOILER NO. 1 BRACKET LH	76863A	-	-	-
3	FRONT FENDER NO. 2 MOULDING OUTSIDE LH	75614C	-	-	-
4	FRONT FENDER LINER LH	53876A	-	-	-

	Clip		Screw
	Remove in this Direction	-	-

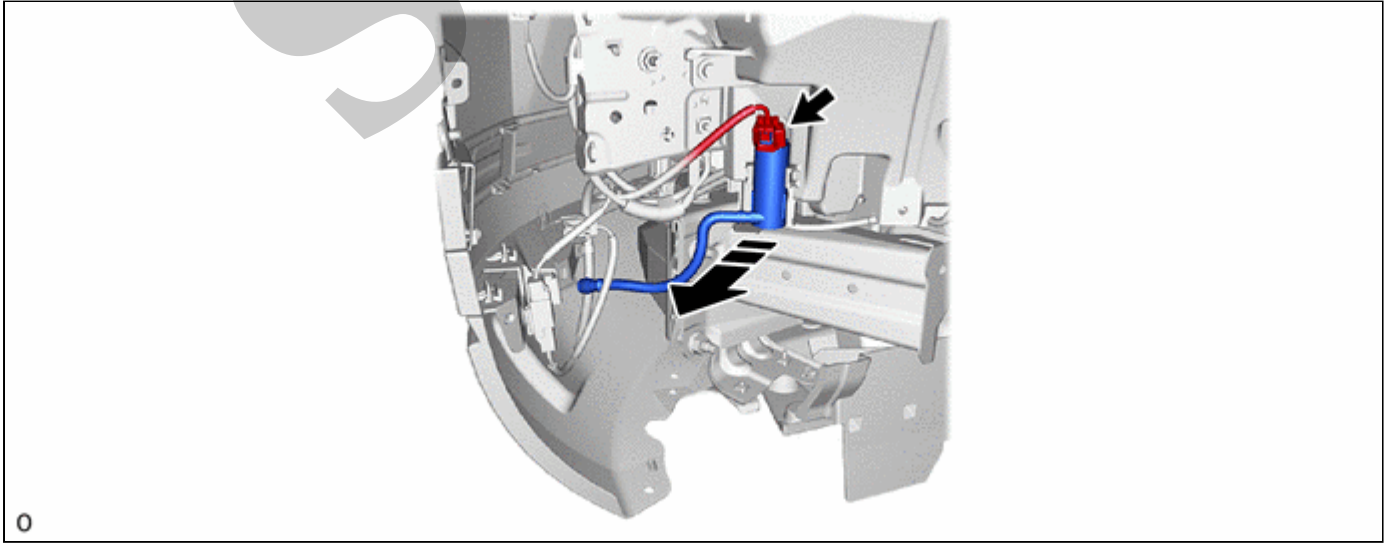
5. DRAIN WINDSHIELD WASHER FLUID



(1) Disconnect the washer hose, and drain the washer fluid.

HINT:
Use a container to collect the washer fluid.

6. REMOVE HEADLIGHT CLEANER MOTOR AND PUMP ASSEMBLY



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Title: WIPER / WASHER: HEADLIGHT CLEANER MOTOR: INSPECTION; 2024 MY GX550 [12/2023 -]		

INSPECTION

PROCEDURE

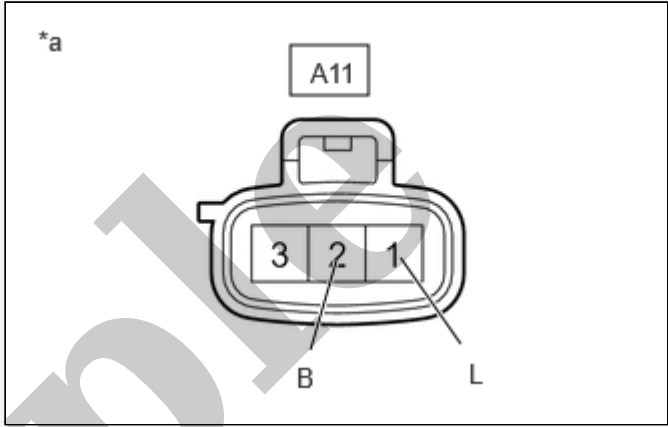
1. INSPECT HEADLIGHT CLEANER MOTOR AND PUMP ASSEMBLY

- (a) Check the wiper operation.
- (1) This check should be performed with the headlight cleaner motor and pump assembly installed to the windshield washer jar assembly and fill the washer jar with washer fluid.




(2) Apply battery voltage to the headlight cleaner motor and pump and check the operation of the headlight cleaner motor and pump assembly.

OK:

CONDITION	SPECIFIED CONDITION
Battery positive(+) → A11-2(B) Battery negative(-) → A11-1(L)	Headlight cleaner motor and pump operation is normal



*a	Component without harness connected (Headlight Cleaner Motor and Pump Assembly)
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PROCEDURE		PART NAME CODE			
5	FRONT FENDER LINER LH	53876A	-	-	-
6	FRONT FENDER NO. 2 MOULDING OUTSIDE LH	75614C	-	-	-
7	FRONT SPOILER NO. 1 BRACKET LH	76863A	-	-	-
8	FRONT WHEEL LH	-	-	-	-

PROCEDURE

1. INSTALL HEADLIGHT CLEANER WASHER JAR BUSH

HINT:

Perform this procedure only when replacement of the headlight cleaner washer jar bush is necessary.

2. INSTALL HEADLIGHT CLEANER (FROM MOTOR TO JOINT) HOSE

3. INSTALL HEADLIGHT CLEANER MOTOR AND PUMP ASSEMBLY

4. ADD WASHER FLUID

5. INSTALL FRONT FENDER LINER LH

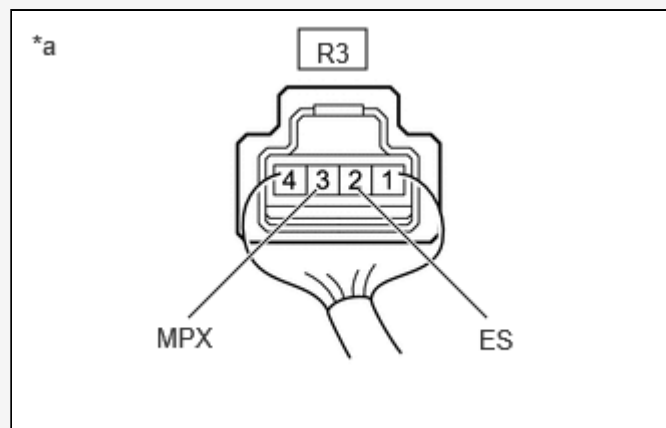
6. INSTALL FRONT FENDER NO. 2 MOULDING OUTSIDE LH

Click here [INFO](#)

7. INSTALL FRONT SPOILER NO. 1 BRACKET LH

8. INSTALL FRONT WHEEL LH

Click here [INFO](#)



*a

Component with harness connected
(Rain Sensor)

(f) Check for pulses.

OK:



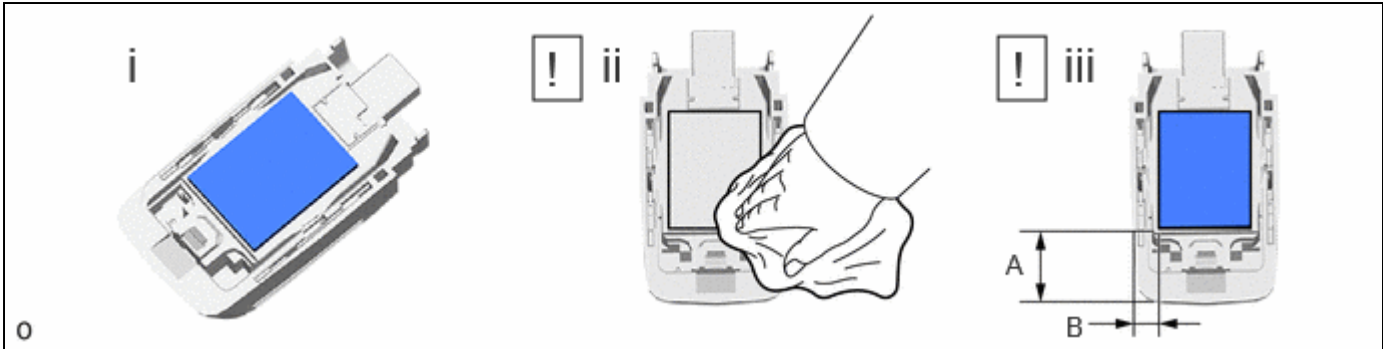
Click Location & Routing(R3).
Click Connector(R3).

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
R3-3(MPX) - R3-2(ES)	Ignition switch ON Front wiper switch	Pulse generation

If the result is not as specified, replace the rain sensor.

Post-procedure1

(g) None



- (1) Remove the rain sensor tape.
- (2) Clean the rain sensor sensing portion with a piece of cloth.
- (3) Peel off the smaller release sheet, and then attach the rain sensor tape to the rain sensor sensing portion as shown in the illustration.

NOTICE:
Use your fingers to push out any air bubbles from under the tape.

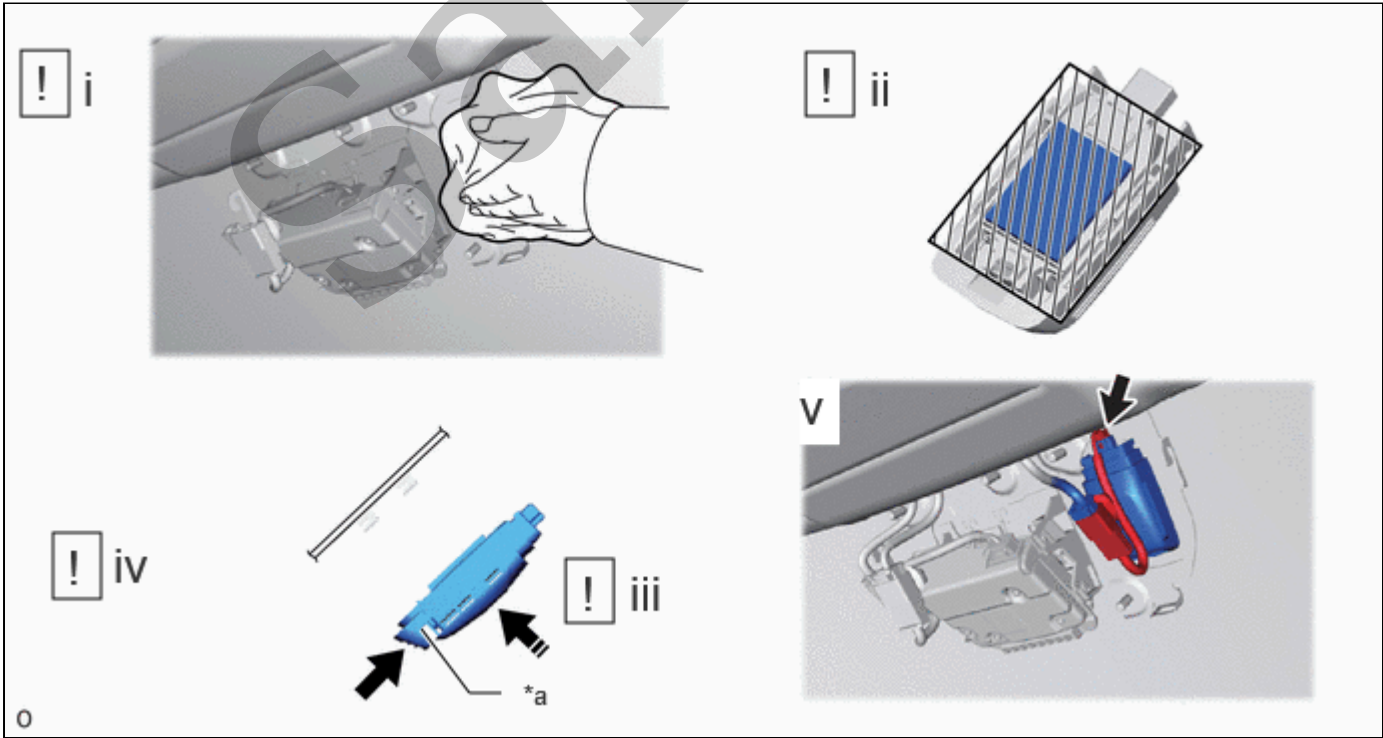
Standard Clearance

AREA	MEASUREMENT
A	21.8 mm (0.858 in.)
B	7.25 mm (0.285 in.)

3. INSTALL RAIN SENSOR

NOTICE:

- Make sure that there is no rain sensor tape residue remaining on the windshield glass. If there is, remove the residue.
- If there is any rain sensor tape residue remaining on the windshield glass, replace the tape.



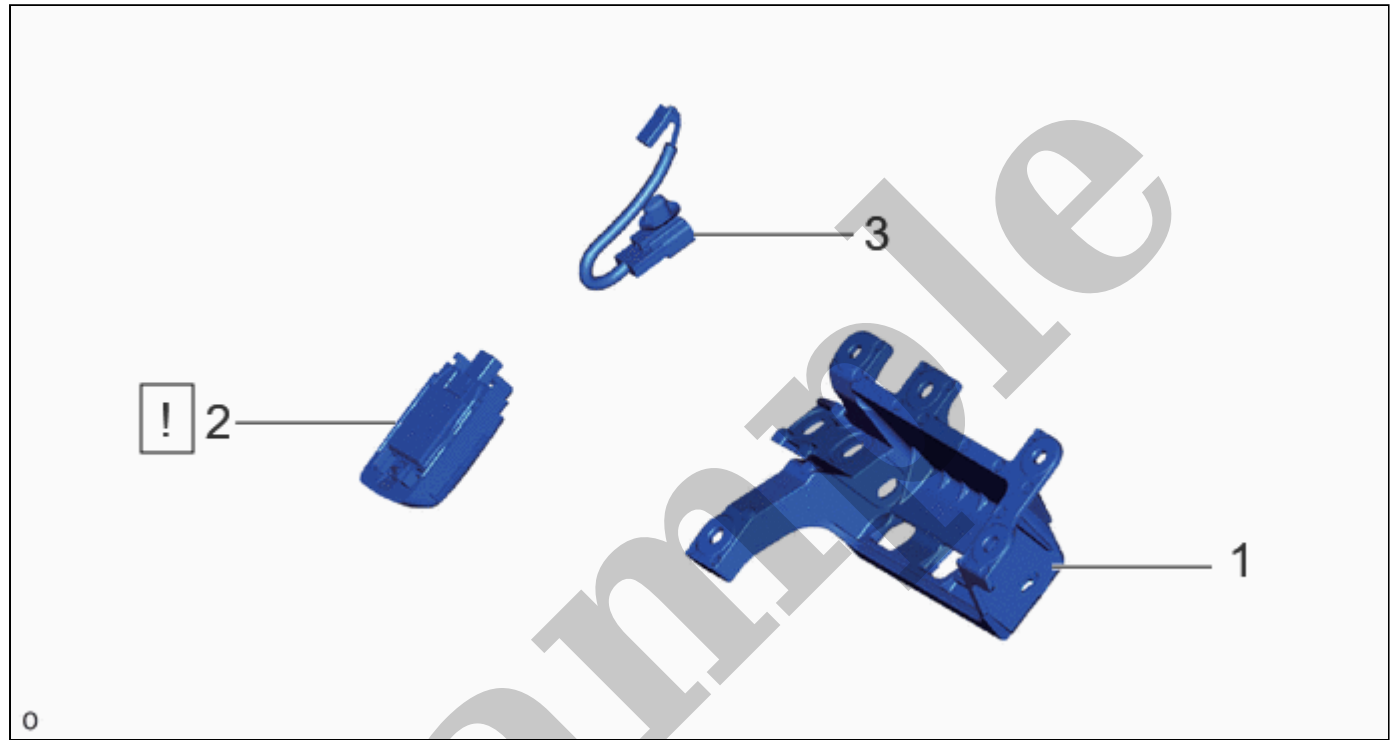
*a	Stopper	-	-
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Model Year Start: 2024	Model: GX550	Prod Date Range: [12/2023 -]
Title: WIPER / WASHER: RAIN SENSOR: REMOVAL; 2024 MY GX550 [12/2023 -]		

REMOVAL

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	INNER REAR VIEW MIRROR BRACKET	87811	-	-	-
2	RAIN SENSOR	89941	INFO	-	-
3	NO. 3 ROOF WIRE	82173	-	-	-

- PROCEDURE
1. REMOVE INNER REAR VIEW MIRROR BRACKET

Click here INFO
2. REMOVE RAIN SENSOR

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Model Year Start: 2024	Model: GX550	Prod Date Range: [12/2023 -]
Title: WIPER / WASHER: RELAY: ON-VEHICLE INSPECTION; 2024 MY GX550 [12/2023 -]		

ON-VEHICLE INSPECTION

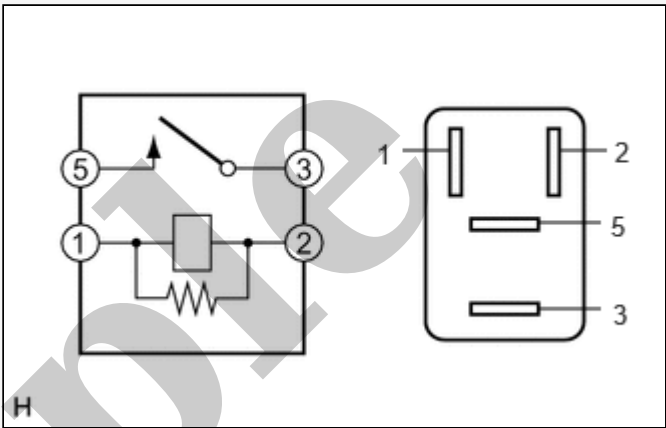
PROCEDURE

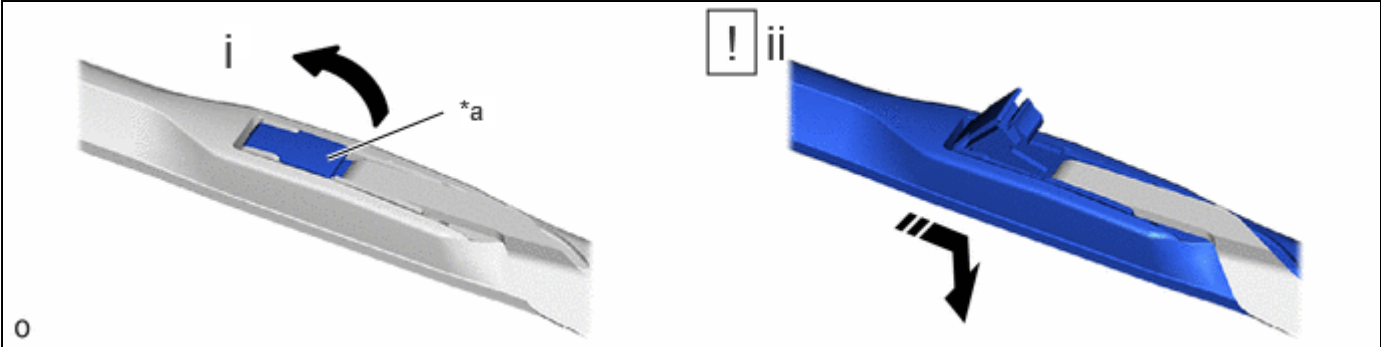
1. INSPECT HEADLIGHT CLEANER CONTROL RELAY

- (a) Measure the resistance according to the value(s) in the table below.
- Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
3 - 5	Battery voltage not applied between terminals 1 and 2	10 kΩ or higher
3 - 5	Battery voltage applied between terminals 1 and 2	Below 1 Ω

If the result is not as specified, replace the headlight cleaner control relay.





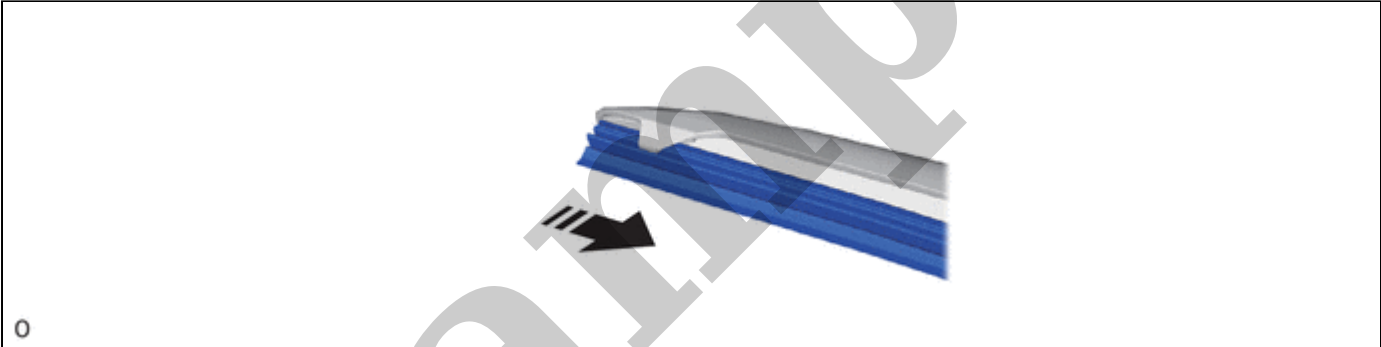
*a	Holder	-	-
	Pull Up		Remove in this Direction

- (1) Pull up the holder of the front wiper blade LH as shown in the illustration.
- (2) Remove the front wiper blade LH from the front wiper arm as shown in the illustration.

NOTICE:

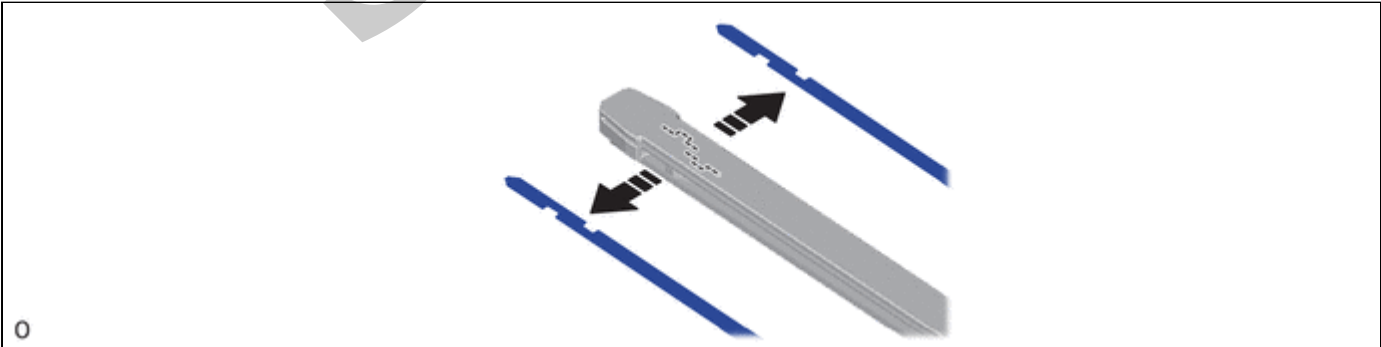
Place a piece of cloth between the front wiper arm and windshield glass to avoid damaging the windshield glass.

2. REMOVE WIPER RUBBER LH



	Remove in this Direction	-	-
--	--------------------------	---	---

3. REMOVE BACKING PLATE



	Remove in this Direction	-	-
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